MODEL 5060
Thermoelectric Generator

The Model 5060 Thermoelectric Generator contains no moving parts. It is a reliable, low-maintenance source of DC electrical power for applications where grid power is unavailable or unreliable.

KEY DESIGN FEATURES:
- Automatic Spark Ignition (SI)
- Automatic Fuel Shut-Off (SO)
- Fuel Filter
- Low Voltage Alarm Contacts (VSR)
- Volt & Amp Meter (6.7V excluded)
- Reverse Current Protection

OPTIONAL FEATURES:
- Cathodic Protection Interface
- Pole Mount or Bench Stand
- Corrosive Environmental Fuel System
- Flame Arrestor

Power Specifications

<table>
<thead>
<tr>
<th>Power Rating at 20°C:</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Watts @ 6.7 Volts</td>
</tr>
<tr>
<td>54 Watts @ 12 Volts</td>
</tr>
<tr>
<td>54 Watts @ 24 Volts</td>
</tr>
<tr>
<td>54 Watts @ 48 Volts</td>
</tr>
</tbody>
</table>

Electrical

<table>
<thead>
<tr>
<th>Output Adjustment Range:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.7 V   up to 11 Volts</td>
</tr>
<tr>
<td>12 V    12–18 Volts</td>
</tr>
<tr>
<td>24 V    24–30 Volts</td>
</tr>
<tr>
<td>48 V    48–60 Volts</td>
</tr>
</tbody>
</table>

Output: Terminal block which accepts up to 8 AWG wire. Opening for 3/4” conduit in base of cabinet.

Fuel Requirements

<table>
<thead>
<tr>
<th>Natural Gas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.4m³/day (155 Sft³/day)</td>
</tr>
<tr>
<td>1000 BTU/Sft³ (377 MJ/m³)</td>
</tr>
<tr>
<td>max 115 mg/Sm³ (~170 ppmw) H₂S</td>
</tr>
<tr>
<td>max 120 mg/Sm³ H₂O</td>
</tr>
<tr>
<td>max 1% free O₂</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Propane:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.7 l/day (1.5 US gal/day)</td>
</tr>
</tbody>
</table>

Environmental

Ambient Operating Temperature:
- Max. +45°C (115°F)
- Min. -40°C (-40°F)

Operating Conditions:
- Unsheltered operation

Please contact GPT for operating conditions below -40°C or above +45°C.

Construction

Materials:
- Cabinet: 304 Stainless Steel (SS)
- Cooling Type: Natural Convection
- Fuel System: Brass, Aluminum & SS

Note:
Specifications shown are for standard 5060 configurations. Gentherm Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, please contact your GPT sales representative.

P 403 236 5556
E gptsales@gentherm.com
W www.genthermglobalpower.com

ISO 9001:2008 REGISTERED
Gentherm Global Power Technologies

p 403 236 5556
e gptsales@gentherm.com
w genthermglobalpower.com

16, 7875 – 57 Street SE
Calgary, Alberta, Canada T2C 5K7

OPENING FOR 3/4"
CONDUIT 6.7, 12, 24 OR 48
VDC CUSTOMER LOAD,
TERMINAL ACCEPTS UP
TO 8 AWG WIRE

FUEL SUPPLY 1/4"
MNPT CONNECTION
AT GENERATOR

SUPPORT COLUMN
(OPTIONAL) 3" SCH.
40 PIPE

267mm [10.5"]
ANCHOR BOLT
CENTERS Ø0.312"

457mm [18.0"]
ANCHOR BOLT
CENTERS Ø0.312"

372mm [14.6"]

629mm [24.8"]

988mm [38.9"]

NOTES:
Generator Weight: 41 kg [90 lb]
Model: 5060